Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

**Listing of Claims:** 

1-24. (Cancelled).

25. (Currently Amended) A method for a cellular mobile communications system,

comprising the steps of:

selecting an active set of base stations from a plurality of base stations, wherein

each base station in said active set is capable of providing parallel radio links with a mobile

station;

transmitting a packet uplink from the mobile station on a radio uplink;

transmitting, from each of the base stations of the active set to the mobile station, a

measure of the quality [[on]] of the radio uplink made during receipt of said packet;

selecting, by said mobile station, only one radio base station from the active set of

base stations based upon said quality measures;

transmitting information [[on]] identifying the selected base station uplink from the

mobile station; and,

forwarding the previously-received data packet on a fixed link only from the

selected radio base station.

26. (Previously Presented) The method according to claim 25, wherein all the

active set base stations provide parallel radio downlinks to the mobile station.

27. (Previously Presented) The method of claim 25, wherein the measure of the

radio uplink quality is an acknowledgement sent in response from one or more of the

active set radio base stations upon said packet being received.

28. (Previously Presented) The method of claims 25, wherein the measure of the

radio uplink quality is a transmitted power command.

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- 29. (Previously Presented) The method of claim 25, wherein the measure of the radio link quality is a signal to interference ratio.
- 30. (Previously Presented) The method of claim 25, wherein the selecting step is made before transmission of said packet and the link quality predicting step is based on the measure received by the mobile station with respect to one or more packets transmitted previously to said packet.
- 31. (Previously Presented) The method according to claim 25, wherein said packet is segmented into two or more segments for transmission in subsequent radio frames and the selected base station reassembles the segments into said packet.
- 32. (Previously Presented) The method of claim 27, wherein one or more base stations that have positively acknowledged all previously transmitted segments of said packet are the only ones designated for reception of subsequent segments of said packet.
- 33. (Currently Amended) A mobile station for use in a cellular communications system, comprising:

means for transmitting a packet to be received by two or more base stations;
means for receiving a measure of radio link quality experienced by said two or
more base stations during the data packet transmission;

a posteriori selecting means for selecting, based upon said measures, <u>only</u> one of said base stations after said packet has been transmitted from the mobile station; or, alternatively, a priori selecting means comprising means for predicting the radio link quality and adapted for selecting <u>only</u> one of said base stations based on prediction of said radio link qualities before said packet is transmitted; and,

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means for transmitting uplink information on which identifying said one of the

active set base stations that is selected for the packet to be forwarded on a fixed link by

the selected base station.

34. (Previously Presented) The mobile station of claim 33, further comprising

means for receiving packets transmitted from two or more radio base stations in parallel

and combining the packets.

35. (Previously Presented) The mobile station of claim 34, wherein said

combining is maximum ratio combining.

36. (Previously Presented) The mobile station of claim 33, wherein said measure

of radio link quality is one or more acknowledgements on the receipt of the transmitted

packets.

37. (Previously Presented) The mobile station of claim 33, wherein said measure

of radio link quality is a transmit power command received from said base stations.

38. (Previously Presented) The mobile station of claim 33, wherein said measure

of radio link quality is a signal to interference ratio.

39. (Previously Presented) The mobile station of claim 33, further comprising

means for segmenting the packet into segments fitting into radio blocks.

40. (Previously Presented) The mobile station of claim 39, as dependent on the a

posteriori selection, wherein the mobile station power control is controlled by power

commands received only from one or more of said base stations that have reported

positive acknowledgements with respect to the transmitted segments of the relevant

packet.

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- 41. (Previously Presented) The mobile station of claim 33, adapted for transmitting the information on the priori selected base station with the relevant packet.
- 42. (Previously Presented) The mobile station of claim 33, wherein said prediction means uses a measure of radio link quality received in response to one or more previously transmitted packets.
- 43. (Previously Presented) The mobile station of claim 33, operative to adjust its output power to the commands received from the a priori selected base station only.
- 44. (Currently Amended) A base station having means to receive a packet from a mobile station and means to send an acknowledgement to the mobile station in response to the received packet, said base station comprising:

detecting means for detecting information from the mobile station on that identifies a specific base station being selected by said mobile station for forwarding said received packet; and,

means for selectively forwarding the received packet further in a connected radio network <u>only</u> when said detecting means detects <u>that</u> the base station is <u>identified as</u> being selected <u>by said mobile station</u>.

- 45. (Previously Presented) The base station of claim 44, adapted for receiving said information subsequent to the packet being received by the MS.
- 46. (Previously Presented) The base station of claim 44, adapted for receiving said information with said packet.
- 47. (Previously Presented) The base station of claim 44, wherein the detection means are adapted for receiving the selection information on a packet-by-packet basis.

48. (Previously Presented) The base station of claim 44, further comprising means for timing downlink transmission of radio frames by use of a synchronisation signal received via an interface to a fixed part of the network for parallel transmission of radio frames from all base stations of an active set.

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